

Hospital Energy Alliance



Lighting and Controls Supplier Summit Las Vegas, Nevada May 11, 2010 John D'Angelo, P.E., CMVP Administrative Director, Facilities Cleveland Clinic

Hospital Energy Alliance Members



Hospitals/Healthcare Facilities

- Adventist HealthCare
- Ascension Health
- Boulder Community Hospital
- Catholic Health Initiatives (CHI)
- Catholic Healthcare West*
- Clarion Hospital
- Cleveland Clinic*
- Dartmouth-Hitchcock Medical Center
- Department of Veterans Affairs*
- Geisinger Health System
- Gundersen Lutheran Health System*
- Hackensack University Medical Center
- Health Care REIT
- HealthSouth
- Hospital Corporation of America*
- Inova Health System
- Johns Hopkins Health System

- Kaiser Permanente*
- Legacy Health System
- Metro Health Hospital
- NewYork-Presbyterian Hospital*
- Partners HealthCare
- Providence Health & Services*
- Rush University Medical Center
- San Luis Valley Regional Medical Center
- Texas Children's Hospital
- Texas Medical Center (TECO)*
- TRICARE Management Activity (TMA)*
- University of Pittsburgh Medical Center*
- Veterans Health Administration
- Yale-New Haven Hospital

Associations

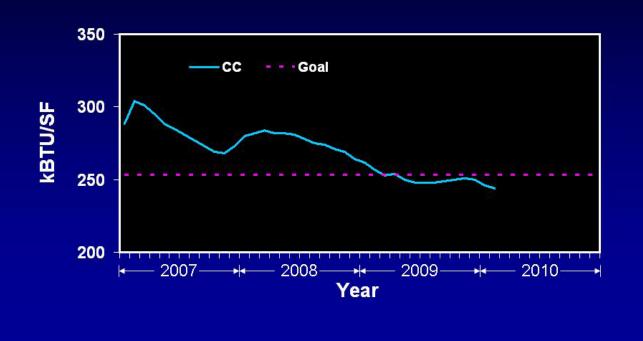
- ASHE*
- ASHRAE*
- IES*
- IFMA
- Practice Greenhealth*
- VHA

^{*} Steering Committee Members

Impact of Lighting Efficiency



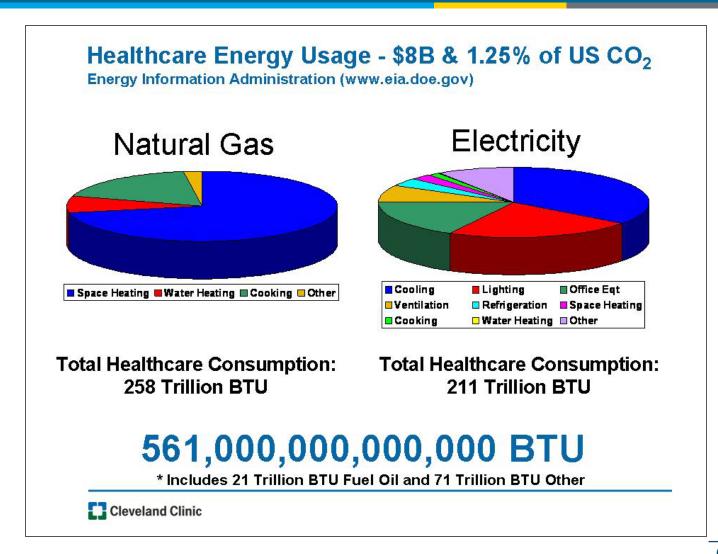
Energy Usage Index



Savings since 2007: 54,170,872 kWh; 165,225 CFL & SSL

Potential Additional Impact

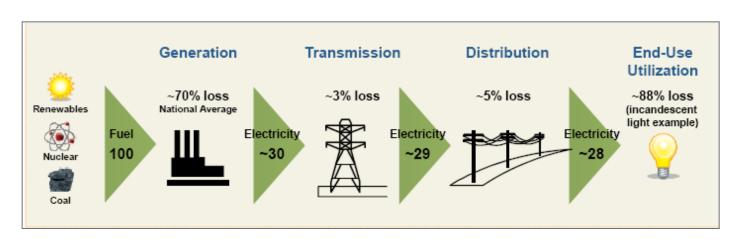




Program Needs — HEA Survey



- Retrofit over retrofit-able over new
- Reduction in maintenance over energy savings
- Increase in patient satisfaction and patient safety
- Administrative/general lighting over exam/treatment over decorative

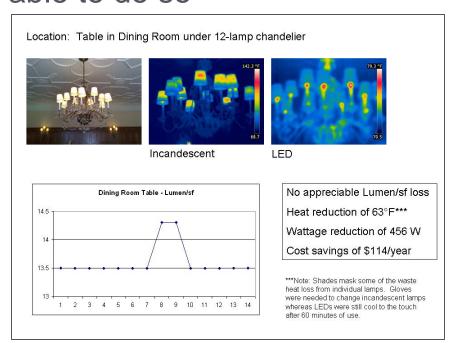




Survey Results



- 57% have hosted SSL demonstration projects
- 75% are not able to isolate lighting energy use, although
 67% are interested in being able to do so
- 88% group relamp
- 75% use long life lamps



Program Goals



- Standardize product offerings
 - CRI
 - Efficacy/output
 - Temperature (resolve binning issues)
- Reduce product cost

